

Vaginal Delivery Safety Checklist.

Rachel B. Eusebio BSN, RN

Lehigh Valley Health Network, rachel_b.eusebio@lvhn.org

Alice Takla BSN, RN

Lehigh Valley Health Network, alice.takla@lvhn.org

Follow this and additional works at: <http://scholarlyworks.lvhn.org/patient-care-services-nursing>



Part of the [Nursing Commons](#)

Published In/Presented At

Eusebio, R. B., Takla, A. (2017, February). *Vaginal Delivery Safety Checklist*. Poster presented at: LVHN Vizient/AACN Nurse Residency Program Graduation, Lehigh Valley Health Network, Allentown, PA.

This Poster is brought to you for free and open access by LVHN Scholarly Works. It has been accepted for inclusion in LVHN Scholarly Works by an authorized administrator. For more information, please contact LibraryServices@lvhn.org.

Lehigh Valley Health Network, Allentown, Pennsylvania

- One of the most identified root causes of perinatal injury and death is lack of communication amongst the health care team -True, B. A. et al (2016)
- There are current checklists available for cesarean delivers, but not for vaginal deliveries.
- The checklist facilitates communication among team members during labor to identify woman at risk for shoulder dystocia (SD), postpartum hemorrhage (PPH), infants at risk for requiring neonatal resuscitation (NRP) at birth, or cord prolapse -True, B. A. et al (2016)
- The goal of utilizing the Vaginal Delivery Safety Checklist on the L&D unit is to help facilitate effective communication in order to prepare for SD, PPH, NRP, or a cord prolapse.

- PICO Question – Will the use of the collaborative safety checklist for vaginal deliveries help Medical Care Providers, L&D, and NICU nurses be more prepared for complications at the time of delivery?

P- Medical Care Providers, L&D, and NICU nurses

I - Education VS no education

C- No checklist VS use of the checklist

O- Staff's response to the Vaginal Delivery Safety checklist via survey.


- Education on the Vaginal Delivery Safety Checklist via TLC.
- A survey given to the nursing staff before implementation of the checklist.
- A post survey after implementation of the Vaginal Delivery Safety Checklist to be given to the nursing staff in the future.
- Implementation of the Vaginal Delivery Safety Checklist was trialed in a simulation and was well received by the nursing staff and physicians.

- In an evaluation health care teams rated effectiveness, ease of use, and convenience of the checklist on a 7 point scale -True, B. A. et al (2016)
 - Effectiveness: 4.5
 - Ease of use: 6.0
 - Convenience: 4.9
- “When the checklist was used, team members believed that details for care were noticed that ordinarily would have been missed” -True, B. A. et al (2016)
- Use of checklists help decrease cognitive load, therefore facilitating situational awareness -Edozien, L. C. (2015)
- Researchers demonstrated that communication error, inadequate assessments are some of the top root causes for perinatal and maternal death and injury - The Joint Commission (2015)
- Collaboration is strongly related to positive outcomes - Raab, C. A. et al (2012)

- Develop a policy and procedure for implementing the Vaginal Delivery Safety Checklist into everyday practice.
- Future implementation of the vaginal delivery safety checklist into EPIC.

REFERENCES

- Bliss, L. A., Ross-Richardson, C. B., Sanzari, L. J., Shapiro, D. S., Lukianoff, A. E., Bernstein, B. A., & Ellner, S. J. (2012). Thirty-day outcomes support implementation of a surgical safety checklist. *Journal of American College of Surgeons*, 215, 166-176. <http://dx.doi.org/10.1016/j.jamcollsurg.2012.07.015>
- Edozien, L. C. (2015). Situational Awareness and Its Application in the Delivery Suite. *Obstetrics & Gynecology*, 125(1), 65-69. DOI: 10.1097/AOG.0000000000000597
- Raab, C. A., Brown Will, S. E., Richards, S. L., & O'Mara, E. (2013). The Effect of Collaboration on Obstetric Patient Safety in Three Academic Facilities. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 42(5), 606-616. DOI: 10.1111/1552-6909.12234
- True, B. A., Cochrane, C. C., Sleutel, M. R., Newcomb, P., Tullar, P. E., & Sammons Jr, J. H. (2016). Developing and Testing a Vaginal Delivery Safety Checklist. *Journal of Obstetric, Gynecologic, & Neonatal Nursing*, 45(2), 239-248. <http://dx.doi.org/10.1016/j.jogn.2015.12.010>

 Texas Health Resources		Vaginal Delivery Safety Checklist	
Step One: Identify risk factors:		Step Two: Plan Interventions: Notify other personnel, prepare equipment, and assign tasks:	
Patient at Risk for Shoulder Dystocia? Does she have: <ul style="list-style-type: none"> Diabetes (Gestational or Type 1 or 2) EWB > 4000 grams Prior shoulder dystocia Prior infant > 4000 grams Maternal medical obesity (BMI > 40) Unassisted/unassisted births Short stature (Under 5 feet) Attempt at operative vaginal delivery planned TOLAC with history of CVD/ETP Medical or nursing provider concerned 	Fetus at Risk for Additional Resuscitation? Does she have: <ul style="list-style-type: none"> Catagory III or concerning FHR tracing < 37 weeks gestation Micromegaly fetus PPROM Networks within past 2-4 hours Chorioamnionitis UGR Multiple gestation Maternal substance abuse Known fetal condition: malpresentation/ anomaly Maternal obstetrical/ medical condition Medical or nursing provider concerned Operative vaginal delivery anticipated 	Patient at Risk for Postpartum Hemorrhage? Does she have: <ul style="list-style-type: none"> Prior or current birth on uterine surgery Multiple gestation > 4 previous vaginal births Chorioamnionitis History of previous PPH Large abdominal fibroids Active bleeding (i.e. bloody show) Suspicion of accreta/increta/percreta Low lying placenta Net < 30 plus other risk factors Platelets < 100,000 Known coagulopathy Pre-eclampsia Use of Oxytocin for > 12 hours Treatment with Magnesium Sulfate 	
<p align="center">YES</p>	<p align="center">YES</p>	<p align="center">YES</p>	<p align="center">YES</p>
<p align="center">Section Two: Plan Interventions: Notify other personnel, prepare equipment, and assign tasks:</p>			
Shoulder Dystocia	Newborn Resuscitation	Postpartum Hemorrhage	
<ul style="list-style-type: none"> Prepare wetroom/sterilize Inform/Address patient Call for additional personnel Place in McRoberts position Position staff on appropriate side Perform McRoberts position Perform rotation maneuvers: Rubenoff Perform Woods' Screw from Left Arm Roll to "all fours" if able (Gaskin) Consider oxytocin or assistance Consider posterior: Nuts & Bolts Consider fetal pressure Consider potential neonatal resuscitation Prepare warmup/equipment Notify Nephrology/Endocrinology Notify surgical team and ensure availability for possible cesarean birth Ensure CR available 	<ul style="list-style-type: none"> Prepare wetroom & equipment Notify RN or ensure availability Consider: Address patient/obtain consent Assess FHR: fetal station & position Review plan - not more than 3 pop Consider manual maneuvers 10 minutes duration Consider manual train or ensure availability for possible cesarean birth Consider: Plan for potential neonatal resuscitation team as above 	<ul style="list-style-type: none"> If more than 500 ml Wet room/prepare equipment/ blood loss Consider: Increase IV fluids Increase IV oxytocin Manual or manual assisted with internal Apply warm compresses to fundus Provide Gaskin if not able > 90% Apply warm Blankets/Warming unit X-V every 15-30 minutes Normal 0.2 mg if not HR Start Micromedex 800 - 1000 mg PO Normal 0.2 mg if not HR Delay repeat every 15 - 30 minutes Ischemia of cervix for 10-15 min Assess/prepare Cesarean/Obturator Ischemia of cervix for 10-15 min Type and Cross 2 units PRN 	
<p align="center">IF BLEEDING CONTINUES</p> <ul style="list-style-type: none"> Initiate secondary large bore IV Administer blood product Consider massive transfusion or uterine packing Consider move to OR Consider move to CR If bleeding continues > 500 ml Assess for coagulopathy Initiate massive transfusion protocol Consider surgical intervention 		<p align="center">IF BLEEDING CONTINUES</p> <ul style="list-style-type: none"> Initiate secondary large bore IV Administer blood product Consider massive transfusion or uterine packing Consider move to OR Consider move to CR If bleeding continues > 500 ml Assess for coagulopathy Initiate massive transfusion protocol Consider surgical intervention 	

Step Three: Debrief adverse events or unexpected outcomes.

Figure 1. Vaginal Delivery Safety Checklist. Used with permission from Texas Health Resources.

© 2014 Lehigh Valley Health Network